

Table 8. Summary of Program Results

(Preliminary results by site and alternative fuel)

AF = Alternative Fuels DC = Diesel Control

		Houston LNG	Miami CNG	Tacoma CNG	Peoria		Minn. E95	Miami M100	St. Louis BD20*
					E95	E93			
Number of buses	AF	10	5	5	5		5	5	5
	DC	5	5	5	3		5	5	5
Mileage in program	AF	375,694	87,329	293,753	269,966	118,688	57,245	193,357	165,017
	DC	431,797	311,813	537,884	157,866	67,491	170,731	368,408	204,036
Average mileage between road calls	AF	1,764	1,164	4,451	7,450		5,189	1,625	8,251
	DC	3,347	1,878	4,044	7,891		2,161	1,949	9,274
Representative MPG (diesel #2 energy equivalent)	AF	3.05	3.22	4.60	3.63	3.26	2.83	3.42	3.71
	DC	3.56	3.57	5.81	3.55	3.41	3.13	3.26	3.94
MPG ratio (AF/DC)		0.86	0.90	0.79	1.02	0.96	0.90	1.05	0.94
Fuel cost (per D2 equivalent gallon)	AF	\$0.80	\$0.69	\$0.55	\$1.83	\$1.21	\$1.80	\$2.29	\$1.00
	DC	\$0.61	\$0.64	\$0.67	\$0.61	\$0.61	\$0.65	\$0.64	\$0.47
Fuel cost per 1,000 miles**	AF	\$173	\$220	\$121	\$504	\$369	\$635	\$671	\$270
	DC	\$170	\$179	\$115	\$172	\$179	\$207	\$196	\$119
Oil cost per 1,000 miles	AF	\$1.45	\$5.54	\$1.74	\$3.94	\$7.76	\$4.41	\$3.27	\$0.69
	DC	\$1.49	\$2.99	\$1.58	\$1.75	\$2.14	\$1.55	\$2.78	\$1.69
Bus maint. cost per 1,000 miles*	AF	\$247	\$243	\$124	\$150		\$207	\$229	\$57
	DC	\$198	\$312	\$136	\$120		\$176	\$256	\$41
Total bus cost per 1,000 miles	AF	\$421	\$469	\$247	\$658	\$527	\$847	\$940	N/A
	DC	\$370	\$495	\$253	\$294	\$301	\$384	\$455	N/A

* Includes engine/fuel systems only for St. Louis biodiesel

** For LNG, fuel cost per 1,000 miles includes limited use of LNG in the dual-fuel engines. LNG fuel cost calculations do not include cost estimates for venting, which can be significant. CNG fuel cost calculations do not include the cost of compression.

N/A = Not available